BRUHAT BENGALURU MAHANAGARA PALIKE

Restoration of Road cut portion due to laying UGD pipeline at proposed White Topping Road along 3rd A Cross Road,1st A Main Road and 16th B Cross Road in Ward No.04

SL No	Item Description		Unit	NO.	L	B	D	Qty	Rate	Amount
1	Excavation in Soil with Dozer KSRRB M300-11. Excavation for road way in all types of soil by mechanical means including cutting and pushing the earth to site of embankment including trimming bottom and side slopes in accordance with requirements of lines, grades and cross sections complete as per specifications. MORTH Specification No. 301									
	PWD SR 2018-19 Page no 143 Item no.19.14									
	Basic Rate	41.00								
	AW @ 6%	2.46								
	Total	43.46								
	From 0+180 to 1+950		Cum	1	0.00	0.90	1.60	0.00		
	WWM Pipeline		Cum	1	887.00	1.50	2.00	2661.00		
								2661.00	43.46	115,647.06
2	KSRRB M100-4.1. Cost of Haulage Excluding Loading and Unloading MORTH -100/ Chapter 1 Case-1 : Surface Road									
	PWD SR 2018-19 Page no 136 Item no.17.4									
	Vide Qty SL No.1							2661.00	64.00	170,304.00
3	Providing and stone dust in foundation upto plinth to required depth for sub soil treatment including watering ramming with all lead and lift complete as per specifications and as per directions of engineer in charge									
	Data Rate									
	From 0+180 to 1+950		Cum	1	0.00	0.90	1.60	0.00		
	WWM Pipeline		Cum	1	887.00	1.50	2.00	2661.00		
	Manhole Deductions		Cum	-21	2.18	0.90	1.60	-65.92		
								2595.08	2540.00	6,591,495.07
4	KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406									
	PWD SR 2018-19 Page no 155 Item no.20.18									
	Basic Rate	1888.00								
	AW @ 6%	113.28								
	Total	2001.28								
	From 0+180 to 1+950		Cum	1	1250.00	0.90	0.15	168.75		
			Cum	1	887.00	1.50	0.15	199.58		
								368.33	2001.28	737,121.46
5	Dry Lean Concrete (DLC) for Profile correction of existing bituminous road surface before carrying out White Topping Dry Lean Concrete (DLC) M-5 for Profile correction of existing bituminous road surface before carrying out White Topping Construction of dry lean cement concrete sub base layer over existing scarified (to the depth of 25 mm with miller machine includes mobilization, diesel and operating cost, includes cleaning by air blower/sand blasting/brooming etc.) bituminous road surface with coarse and fine aggregate conforming to IS 383, the size of coarse aggregate not exceeding 25mm, aggregate cement ratio notto exceed 15:1, aggregate gradation after blending to be as per Table 600-1, cement content not less than 160 kg/cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in ready mix concrete plant or a batching plant (to ensure consistency) transported to site, laid to the depth of 40 mm - 50 mm with a fixed form paver with electric sensor, having gang mounted vibrators equally									
	PWD SR 2018-19 Page no 290 Item no.38.19									
	Basic Rate	3401.00								
	AW @ 6%	204.06								
	Total	3605.06								
	From 0+180 to 1+950		Cum	1	1250.00	0.90	0.07	78.75		
			Cum	1	887.00	1.50	0.07	93.14		
								171.89	3605.06	619,655.74

SL No	Item Description	Unit	NO.	L	B	D	Qty	Rate	Amount
6	Construction of RCC manhole chambers of 1:1.5:3 proportion or approved type pre-cast RCC manhole chambers, constructed using form vibrators of standatd type, with barricading, danger lighting and form vibrators of standatd type, with barricading, danger lighting and using of sight rails and boning rods wherever necessary, shoring and strutting wherever required using Ordinary Port Land Cement, using 1:1.5:3 proportion RCC with 20 mm and down graded jelly, well graded sand and steel of approved quality, 200 mm thick top concrete slab, having wall thickness and raft thickness as in approved drawings and with an offset in raft alround the chamber as in approved drawing,benching concrete with 1:6 slope towards the central drain finished 8 smooth, including fixing and grouting of pipes, including conveying to work spot supply and fixing SFRCmanhole cover and frame (Heavy duty) conforming to IS:12592 with latest amendments, on a bed of CC 1:2:4 supplying and fixing of minimum 3 mm thick encapsulated plastic footsteps (as per IS 10910) on 12 mm dia. Grade Fe-415 steel bar (as per IS 1786) staggered at 300 mm apart as detailed in Technical specifications, including sand bedding wherever required, disposal of surplus earth, watering, curing, engraving manhole number with flow direction on the inner cylindrical surface etc.. complete including cost of reinforcement steel and fabrication charges and also cost and conveyance of all materials, labour with all lead and lifts. The Precast RCC manholes are for various diameters and depths as stated below and as per detailed drawings, specifications and direction of the Engineer.								
	BWSSB SR:2017-18,P.171,SLNO.106 CODE(T330)								
	1.9 Meter Depth	Nos	5				5.00		
							5.00	41137.50	205,687.50
								TOTAL	8,439,910.83
								GST @ 12 %	1,012,789.30
								3rd Party Charges	40,000.00
								Round Off	7,299.87
								Grand TOTAL	9,500,000.00

Assistant Engineer
Project Division, Yelahanka
BBMP

Assistant ExecutiveEngineer
Project Division, Yelahanka
BBMP

ExecutiveEngineer
Project Division, Yelahanka
BBMP

Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore-92

Administrative Approval
Accorded For Rs 95 w/ charges only
Head of A/C P054
CER NO : 71 Dt: 13.12.2021

AE (YNK)

Accorded For Rs 95 w/ charges only
Head of A/C P054
CER NO : 75 Dt: 13.12.2021